

WASHINGTON, DC 20510

Received & Inspected ,1111 18 2016 FCC Mail Room

July 11, 2016

The Honorable Tom Wheeler, Chairman Federal Communications Commission 445 12th Street, S.W. Washington, DC 20554

Dear Chairman Wheeler:

As representatives of states with significant agricultural activity, we share the goal of ensuring that access to high-quality communications networks in rural America remains a top priority for the Commission.

More than ever before, U.S. farmers and ranchers are demanding reliable, high-speed mobile broadband services. Mobility is essential for new precision agriculture technologies to deliver productivity gains and environmental sustainability. These technologies are transforming U.S. agriculture as American farmers and ranchers seek to feed, fuel, and clothe an everincreasing global population using limited land, water, and other resources.

We applaud the Commission's recent decision to allow rate-of-return carriers to access support for "standalone" broadband facilities. This step will help encourage carriers to deploy modern broadband-capable wireline networks in rural areas. Importantly, this is necessary as consumers increasingly rely on wireless services and are "cutting the cord" to shift away from wireline voice, and soaring mobile broadband relies on sufficient backhaul, often provided by these wireline networks. Going forward, sufficient support must also be available to preserve and expand mobile voice and broadband.

Significant work remains to ensure that broadband services are available in rural America and reasonably comparable to services enjoyed in urban areas. Simply stated, broadband, particularly high-speed mobile broadband, is not readily available in many rural areas or could be at risk absent the right policies and support through the Universal Service Fund (USF). While progress has been made in the deployment of broadband, significant portions of rural areas have been left behind. According to the FCC, 87 percent of rural Americans (52.2 million) lack access to mobile broadband with minimum advertised speeds of 10 Mbps/1 Mbps, compared to 45 percent of those living in urban areas.

Without the certainty that essential mobile broadband infrastructure will be deployed and maintained, investments in agricultural productivity will be delayed or bypassed altogether, and the potential efficiencies and benefits to rural communities will be lost. The extension of highspeed mobile and backhaul facilities to agricultural croplands and ranch lands must keep pace

with the ongoing deployment of technology in the field. Increasing numbers of modems in the field means a growing demand for connectivity in the areas in which they operate.

The expansion of rural broadband should be a top priority of federal and state policymakers, as expanded deployment in rural areas will address important economic, educational, health care, and public safety goals. Ongoing USF reform can provide a mechanism for enabling mobile broadband access in rural communities where "people live, work, and travel" that is truly comparable to broadband services provided in urban and suburban areas. To accomplish this goal, USF should support mobile broadband at a minimum of today's level to close the coverage gap while preserving existing service.

In this regard, we ask you to give special attention as you work to establish Phase II of the USF's Mobility Fund (MF). Given the importance of mobile services today, the MF should be retained and updated to ensure that funding will promote new mobile broadband deployment in unserved rural and agricultural areas and preserve and upgrade mobile broadband where it is currently available. Importantly, the FCC must rely on realistic measurements of network experience on the ground to determine areas to support.

Croplands and ranch lands have lagged behind in adequate mobile coverage, even as demand for coverage has grown. To address this coverage gap, we urge you to consider a metric of broadband access in <u>croplands</u> (and farm buildings), or some other geographic measurement, in addition to road miles, to identify these areas of greatest need. "Cropland" coverage can be assessed using United States Department of Agriculture data for crop operations, the United States Geological Survey's Land Use classification, or other databases.

Agriculture is a significant generator of economic activity in our states. We greatly appreciate your efforts to ensure that the latest mobile broadband services are provided to all Americans, including those in agriculture whose livelihoods depend on it.

Sincerely,

ROGER F. WICKER United States Senator

JOE MANCHIN, III United States Senator TAMMY BAEDWIN
United States Senator

ROY BLUNT United States Senator

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RICHARD BURR United States Senator Stelley Mone Capita

SHELLEY MOORE CAPITO United States Senator

Speue Dains

STEVE DAINES United States Senator JONI ERNST

United States Senator

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DEB FISCHER United States Senator CORY GARDNER United States Senator

HEIDI HEITKAMP United States Senator RON JOHNSON United States Senator ANGUS S. KING, JR.
United States Senator

AMY KLOBUCHAR United States Senator

Que Mc Cashill

CLAIRE MCCASKILL United States Senator JERRY MORAN
United States Senator

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GARY PETERS United States Senator FAT ROBERTS United States Senator

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MARCO RUBIO United States Senator THOM TILLIS

United States Senator

DAVID VITTER
United States Senator

MARK WARNER United States Senator

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Ron Wyden

RON WYDEN United States Senator That Cochram

THAD COCHRAN United States Senator

JOHN BOOZMAN United States Senator MARK KIRK United States Senator



September 14, 2016

The Honorable Mark S. Kirk United States Senate 524 Hart Senate Office Building Washington, D.C. 20510

Dear Senator Kirk:

Thank you for your letter regarding the importance of mobile broadband networks to support agriculture and rural America, as well as your views regarding the opportunity that a Mobility Fund Phase II may provide in achieving that goal.

Americans rely more and more on mobile broadband service. As providers roll-out more robust wireless networks, they are providing greater broadband speeds, efficiency, capacity, and a wealth of innovative features. The Commission is committed to ensuring that Americans living and working in rural areas have access to these mobile broadband networks that are increasingly essential for full participation in today's society and economy.

The Mobility Fund is dedicated to ensuring availability of mobile broadband networks in areas where a private-sector business case is lacking. In the Mobility Fund Phase I, the Commission set aside \$300 million in one-time support to immediately accelerate deployment of networks for mobile voice and broadband services in unserved areas. To maximize coverage of unserved road miles within the \$300 million budget, Mobility Fund Phase I included a variety of eligible road miles, in addition to primary and secondary roads. Specifically, as requested in comments received from the public, the Commission included 4WD vehicular trails, service drives, and private roads for service vehicles. The inclusion of these road-mile categories was particularly important in some rural areas because they added, among other things, unpaved dirt trails where a four-wheel vehicle is required, service drives that typically connect to highways and other types of roads, and private roads that are used in areas with logging, mining, oil fields, and ranches.

Page 2—The Honorable Mark S. Kirk

I appreciate your interest and concerns in this matter. Please let me know if I can be of any further assistance.

Sincerely,



September 14, 2016

The Honorable Shelley Moore Capito United States Senate 172 Russell Senate Office Building Washington, D.C. 20510

Dear Senator Capito:

Thank you for your letter regarding the importance of mobile broadband networks to support agriculture and rural America, as well as your views regarding the opportunity that a Mobility Fund Phase II may provide in achieving that goal.

Americans rely more and more on mobile broadband service. As providers roll-out more robust wireless networks, they are providing greater broadband speeds, efficiency, capacity, and a wealth of innovative features. The Commission is committed to ensuring that Americans living and working in rural areas have access to these mobile broadband networks that are increasingly essential for full participation in today's society and economy.

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Sincerely,



September 14, 2016

The Honorable Richard M. Burr United States Senate 217 Russell Senate Office Building Washington, D.C. 20510

Dear Senator Burr:

Thank you for your letter regarding the importance of mobile broadband networks to support agriculture and rural America, as well as your views regarding the opportunity that a Mobility Fund Phase II may provide in achieving that goal.

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Page 2—The Honorable Richard M. Burr

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Sincerely,



September 14, 2016

The Honorable Tammy Baldwin United States Senate 717 Hart Senate Office Building Washington, D.C. 20510

Dear Senator Baldwin:

Thank you for your letter regarding the importance of mobile broadband networks to support agriculture and rural America, as well as your views regarding the opportunity that a Mobility Fund Phase II may provide in achieving that goal.

Americans rely more and more on mobile broadband service. As providers roll-out more robust wireless networks, they are providing greater broadband speeds, efficiency, capacity, and a wealth of innovative features. The Commission is committed to ensuring that Americans living and working in rural areas have access to these mobile broadband networks that are increasingly essential for full participation in today's society and economy.

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Sincerely,



September 14, 2016

The Honorable Roy Blunt United States Senate 260 Russell Senate Office Building Washington, D.C. 20510

Dear Senator Blunt:

Thank you for your letter regarding the importance of mobile broadband networks to support agriculture and rural America, as well as your views regarding the opportunity that a Mobility Fund Phase II may provide in achieving that goal.

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Sincerely,



September 14, 2016

The Honorable John Boozman United States Senate 141 Hart Senate Office Building Washington, D.C. 20510

Dear Senator Boozman:

Thank you for your letter regarding the importance of mobile broadband networks to support agriculture and rural America, as well as your views regarding the opportunity that a Mobility Fund Phase II may provide in achieving that goal.

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Page 2—The Honorable John Boozman

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Sincerely,



September 14, 2016

The Honorable Thad Cochran United States Senate 113 Dirksen Senate Office Building Washington, D.C. 20510

Dear Senator Cochran:

Thank you for your letter regarding the importance of mobile broadband networks to support agriculture and rural America, as well as your views regarding the opportunity that a Mobility Fund Phase II may provide in achieving that goal.

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Sincerely,



September 14, 2016

The Honorable Steve Daines United States Senate 320 Hart Senate Office Building Washington, D.C. 20510

Dear Senator Daines:

Thank you for your letter regarding the importance of mobile broadband networks to support agriculture and rural America, as well as your views regarding the opportunity that a Mobility Fund Phase II may provide in achieving that goal.

Americans rely more and more on mobile broadband service. As providers roll-out more robust wireless networks, they are providing greater broadband speeds, efficiency, capacity, and a wealth of innovative features. The Commission is committed to ensuring that Americans living and working in rural areas have access to these mobile broadband networks that are increasingly essential for full participation in today's society and economy.

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Sincerely,



September 14, 2016

The Honorable Joni Ernst United States Senate 111 Russell Senate Office Building Washington, D.C. 20510

Dear Senator Ernst:

Thank you for your letter regarding the importance of mobile broadband networks to support agriculture and rural America, as well as your views regarding the opportunity that a Mobility Fund Phase II may provide in achieving that goal.

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Page 2—The Honorable Joni Ernst

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Sincerely,



September 14, 2016

The Honorable Deb Fischer United States Senate 454 Russell Senate Office Building Washington, D.C. 20510

Dear Senator Fischer:

Thank you for your letter regarding the importance of mobile broadband networks to support agriculture and rural America, as well as your views regarding the opportunity that a Mobility Fund Phase II may provide in achieving that goal.

Americans rely more and more on mobile broadband service. As providers roll-out more robust wireless networks, they are providing greater broadband speeds, efficiency, capacity, and a wealth of innovative features. The Commission is committed to ensuring that Americans living and working in rural areas have access to these mobile broadband networks that are increasingly essential for full participation in today's society and economy.

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Page 2—The Honorable Deb Fischer

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Sincerely,



September 14, 2016

The Honorable Cory Gardner United States Senate 354 Russell Senate Office Building Washington, D.C. 20510

Dear Senator Gardner:

Thank you for your letter regarding the importance of mobile broadband networks to support agriculture and rural America, as well as your views regarding the opportunity that a Mobility Fund Phase II may provide in achieving that goal.

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Page 2—The Honorable Cory Gardner

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Sincerely,



September 14, 2016

The Honorable Heidi Heitkamp United States Senate 110 Hart Senate Office Building Washington, D.C. 20510

Dear Senator Heitkamp:

Thank you for your letter regarding the importance of mobile broadband networks to support agriculture and rural America, as well as your views regarding the opportunity that a Mobility Fund Phase II may provide in achieving that goal.

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Page 2—The Honorable Heidi Heitkamp

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Sincerely,



September 14, 2016

The Honorable Ron Johnson United States Senate 328 Hart Senate Office Building Washington, D.C. 20510

Dear Senator Johnson:

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Page 2—The Honorable Ron Johnson

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Sincerely,



September 14, 2016

The Honorable Angus King United States Senate 133 Hart Senate Office Building Washington, D.C. 20510

Dear Senator King:

Thank you for your letter regarding the importance of mobile broadband networks to support agriculture and rural America, as well as your views regarding the opportunity that a Mobility Fund Phase II may provide in achieving that goal.

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Page 2—The Honorable Angus King

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Sincerely,



September 14, 2016

The Honorable Amy Klobuchar United States Senate 302 Hart Senate Office Building Washington, D.C. 20510

Dear Senator Klobuchar:

Thank you for your letter regarding the importance of mobile broadband networks to support agriculture and rural America, as well as your views regarding the opportunity that a Mobility Fund Phase II may provide in achieving that goal.

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Page 2—The Honorable Amy Klobuchar

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Sincerely,



September 14, 2016

The Honorable Joe Manchin United States Senate 306 Hart Senate Office Building Washington, D.C. 20510

Dear Senator Manchin:

Thank you for your letter regarding the importance of mobile broadband networks to support agriculture and rural America, as well as your views regarding the opportunity that a Mobility Fund Phase II may provide in achieving that goal.

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Page 2—The Honorable Joe Manchin

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September 14, 2016

The Honorable Claire McCaskill United States Senate 730 Hart Senate Office Building Washington, D.C. 20510

Dear Senator McCaskill:

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September 14, 2016

The Honorable Jerry Moran United States Senate 521 Dirksen Senate Office Building Washington, D.C. 20510

Dear Senator Moran:

Thank you for your letter regarding the importance of mobile broadband networks to support agriculture and rural America, as well as your views regarding the opportunity that a Mobility Fund Phase II may provide in achieving that goal.

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The Mobility Fund is dedicated to ensuring availability of mobile broadband networks in areas where a private-sector business case is lacking. In the Mobility Fund Phase I, the Commission set aside \$300 million in one-time support to immediately accelerate deployment of networks for mobile voice and broadband services in unserved areas. To maximize coverage of unserved road miles within the \$300 million budget, Mobility Fund Phase I included a variety of eligible road miles, in addition to primary and secondary roads. Specifically, as requested in comments received from the public, the Commission included 4WD vehicular trails, service drives, and private roads for service vehicles. The inclusion of these road-mile categories was particularly important in some rural areas because they added, among other things, unpaved dirt trails where a four-wheel vehicle is required, service drives that typically connect to highways and other types of roads, and private roads that are used in areas with logging, mining, oil fields, and ranches.

Page 2—The Honorable Jerry Moran

I appreciate your interest and concerns in this matter. Please let me know if I can be of any further assistance.

Sincerely,



September 14, 2016

The Honorable Gary Peters United States Senate 724 Hart Senate Office Building Washington, D.C. 20510

Dear Senator Peters:

Thank you for your letter regarding the importance of mobile broadband networks to support agriculture and rural America, as well as your views regarding the opportunity that a Mobility Fund Phase II may provide in achieving that goal.

Americans rely more and more on mobile broadband service. As providers roll-out more robust wireless networks, they are providing greater broadband speeds, efficiency, capacity, and a wealth of innovative features. The Commission is committed to ensuring that Americans living and working in rural areas have access to these mobile broadband networks that are increasingly essential for full participation in today's society and economy.

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Page 2—The Honorable Gary Peters

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Sincerely,



September 14, 2016

The Honorable Pat Roberts United States Senate 109 Hart Senate Office Building Washington, D.C. 20510

Dear Senator Roberts:

Thank you for your letter regarding the importance of mobile broadband networks to support agriculture and rural America, as well as your views regarding the opportunity that a Mobility Fund Phase II may provide in achieving that goal.

Americans rely more and more on mobile broadband service. As providers roll-out more robust wireless networks, they are providing greater broadband speeds, efficiency, capacity, and a wealth of innovative features. The Commission is committed to ensuring that Americans living and working in rural areas have access to these mobile broadband networks that are increasingly essential for full participation in today's society and economy.

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Page 2—The Honorable Pat Roberts

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Sincerely,



September 14, 2016

The Honorable Marco Rubio United States Senate 284 Russell Senate Office Building Washington, D.C. 20510

Dear Senator Rubio:

Thank you for your letter regarding the importance of mobile broadband networks to support agriculture and rural America, as well as your views regarding the opportunity that a Mobility Fund Phase II may provide in achieving that goal.

Americans rely more and more on mobile broadband service. As providers roll-out more robust wireless networks, they are providing greater broadband speeds, efficiency, capacity, and a wealth of innovative features. The Commission is committed to ensuring that Americans living and working in rural areas have access to these mobile broadband networks that are increasingly essential for full participation in today's society and economy.

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Sincerely,



September 14, 2016

The Honorable Thom Tillis United States Senate 185 Dirksen Senate Office Building Washington, D.C. 20510

Dear Senator Tillis:

Thank you for your letter regarding the importance of mobile broadband networks to support agriculture and rural America, as well as your views regarding the opportunity that a Mobility Fund Phase II may provide in achieving that goal.

Americans rely more and more on mobile broadband service. As providers roll-out more robust wireless networks, they are providing greater broadband speeds, efficiency, capacity, and a wealth of innovative features. The Commission is committed to ensuring that Americans living and working in rural areas have access to these mobile broadband networks that are increasingly essential for full participation in today's society and economy.

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Page 2—The Honorable Thom Tillis

I appreciate your interest and concerns in this matter. Please let me know if I can be of any further assistance.

Sincerely,



September 14, 2016

The Honorable David Vitter United States Senate 516 Hart Senate Office Building Washington, D.C. 20510

Dear Senator Vitter:

Thank you for your letter regarding the importance of mobile broadband networks to support agriculture and rural America, as well as your views regarding the opportunity that a Mobility Fund Phase II may provide in achieving that goal.

Americans rely more and more on mobile broadband service. As providers roll-out more robust wireless networks, they are providing greater broadband speeds, efficiency, capacity, and a wealth of innovative features. The Commission is committed to ensuring that Americans living and working in rural areas have access to these mobile broadband networks that are increasingly essential for full participation in today's society and economy.

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Page 2—The Honorable David Vitter

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Sincerely,



September 14, 2016

The Honorable Mark Warner United States Senate 475 Russell Senate Office Building Washington, D.C. 20510

Dear Senator Warner:

Thank you for your letter regarding the importance of mobile broadband networks to support agriculture and rural America, as well as your views regarding the opportunity that a Mobility Fund Phase II may provide in achieving that goal.

Americans rely more and more on mobile broadband service. As providers roll-out more robust wireless networks, they are providing greater broadband speeds, efficiency, capacity, and a wealth of innovative features. The Commission is committed to ensuring that Americans living and working in rural areas have access to these mobile broadband networks that are increasingly essential for full participation in today's society and economy.

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Page 2—The Honorable Mark Warner

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Sincerely,



September 14, 2016

The Honorable Roger Wicker United States Senate 555 Dirksen Senate Office Building Washington, D.C. 20510

Dear Senator Wicker:

Thank you for your letter regarding the importance of mobile broadband networks to support agriculture and rural America, as well as your views regarding the opportunity that a Mobility Fund Phase II may provide in achieving that goal.

Americans rely more and more on mobile broadband service. As providers roll-out more robust wireless networks, they are providing greater broadband speeds, efficiency, capacity, and a wealth of innovative features. The Commission is committed to ensuring that Americans living and working in rural areas have access to these mobile broadband networks that are increasingly essential for full participation in today's society and economy.

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Page 2—The Honorable Roger Wicker

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Sincerely,



September 14, 2016

The Honorable Ron Wyden United States Senate 221 Dirksen Senate Office Building Washington, D.C. 20510

Dear Senator Wyden:

Thank you for your letter regarding the importance of mobile broadband networks to support agriculture and rural America, as well as your views regarding the opportunity that a Mobility Fund Phase II may provide in achieving that goal.

Americans rely more and more on mobile broadband service. As providers roll-out more robust wireless networks, they are providing greater broadband speeds, efficiency, capacity, and a wealth of innovative features. The Commission is committed to ensuring that Americans living and working in rural areas have access to these mobile broadband networks that are increasingly essential for full participation in today's society and economy.

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